



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/823,386  
Applicant : Monte J. Rhoads  
Filed : March 30, 2001  
TC/A.U. : 2645  
Examiner : Elahee, Md S.

Confirmation No. 7368

Docket No. : 42390P11045  
Customer No. : 008791

Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Declaration of Monte J. Rhoads**  
**Pursuant to 37 C.F.R. §1.131**

Sir:

I, Monte J. Rhoads, hereby declare that:

1. I am a citizen of the United States of America, and currently reside at 1245 SE 35<sup>th</sup> Ave., Hillsboro, Oregon 97123.
2. I am currently an employee of Intel Corporation in Hillsboro, Oregon.
3. The subject invention was conceived at least as early January 8, 2001, as evident by the attached document signed and acknowledged January 8, 2001.
4. I was the sole author of the subject document.
5. I have reviewed the enclosed copy. It is a true copy of the document I authored.

6. Since conception, I diligently pursued the invention including working with other Intel engineers to render the invention into practice, as well as working with attorneys of Blakely, Sokoloff, et al. in preparing and filing the subject patent application.

7. I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the above-identified patent application or any patent issued thereon.

Executed on: 5/2/05

At: 9:40 Am

By: Monte J. Rhoads

Monte J. Rhoads



Rev. 15, 8/00

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17414

INTEL INVENTION DISCLOSURE  
ATTORNEY-CLIENT PRIVILEGED COMMUNICATION  
located at <http://legal.intel.com>

DATE: 1/8/01 COMMUNICATION CPG/IMAD

It is important to provide accurate and detailed information on this form. The information will be used to evaluate your invention for possible filing as a patent application. When completed and signed, please return this form to the Legal Department at JF3-147. You can submit electronically via e-mail to "invention disclosure submission" if all of the information is electronic, including drawings and supervisor approval. If you have any questions, please call 264-0444.

1. Inventor: Rhoads Monte J.  
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NO RECEIVED  
JAN 08 2001  
PATENT DATABASE GROUP  
INTEL LEGAL TEAM

\*If you are unsure of this information, please discuss with your manager.

(PROVIDE SAME INFORMATION AS ABOVE FOR EACH ADDITIONAL INVENTOR)

2. Title of Invention: Server Appliance Wireless interface
3. What technology/product/process (code name) does it relate to (be specific if you can):  
IMAD's "Common Application Platform" (CAP) program, including "Battle Creek", "Silver Bay", "Hoonah", and "Red Rocks" projects.
4. Include several key words to describe the technology area of the invention in addition to # 3 above: Wireless interface, IrDa, infrared, Blue Tooth.
5. Stage of development (i.e. % complete, simulations done, test chips if any, etc.): Concept/Architecture.
6. (a) Has a description of your invention been, or will it shortly be, published outside Intel:  
NO: X YES: \_\_\_\_\_ If YES, was the manuscript submitted for pre-publication approval? \_\_\_\_\_  
IDENTIFY THE PUBLICATION AND THE DATE PUBLISHED: \_\_\_\_\_
- (b) Has your invention been used/sold or planned to be used/sold by Intel or others?  
NO: \_\_\_\_\_ YES: X DATE WAS OR WILL BE SOLD: May 2001

- iii. Consider software emulation of "hardware inventions." In doing so, disclose the alternative of implementing the function in software and draft claims (e.g., method claims) which will cover software emulation.
  - iv. Always take care to include a description of the best mode of making and using the invention known to the inventor at the time of filing the application.
  - v. Take care regarding admissions. Unnecessary admissions, such as admissions regarding prior art (e.g., in the Background of the Invention section) or obviousness, should not be made.
  - vi. Illustrate the invention in a single drawing. Prosecution and enforcement of the patent is simplified if a single drawing can be used to illustrate the invention. If the application includes component+ claims, include a system level drawing that shows the invention. If the application includes method claims, include a flowchart.
- C. Claims: The claims are key to the value of a patent. In preparing the claims, the following should be considered:
- i. For software inventions, include claims directed to how the software will be distributed (e.g., an instruction stored on a media for . . . ), method claims, and apparatus claims claiming the system executing the software.
  - ii. You should consider claiming all significant features that are disclosed; however, see (iii) below. Also, you should consider implied license issues and determine whether certain embodiments should not be claimed (i.e., allow for acceptable non-infringing alternatives). For example, in a patent having both component and system claims, if the only way to use the claimed component is in the claimed system, then the system claim is probably impliedly licensed. On the other hand, if some of the less significant uses of the claimed component **are not** covered by the system claim, then the existence of these non-infringing alternatives would help to defeat an implied license argument.
  - iii. If the patent application applies to SIGs, specifications or standards, consult the appropriate Intel PPG attorney (or contact Janice Boulden if you don't know who the appropriate attorney is) to determine the proper claiming strategy (e.g., claiming particular implementations rather than the interface, etc.).
  - iv. Do not include unnecessary "labels" or other identifiers in claims (e.g., "control signal TSP1 causes storage means SW.D to store the condition code bits C3, C2 and C1 of the Status Word").
  - v. Do not use verb tenses which would require the claimed device to be in operation for infringement to occur. In general, use of the word "to" before the verb solves this problem; e.g., use "to store" rather than "for storing" or "stores."
  - vi. Every word in the claims is important; noninfringement decisions are often based on the construction given to a single word or phrase. Therefore, it is critical that you analyze **each word** in the claims and satisfy yourself that it is necessary to properly cover the invention and define over the known prior art.

- (c) Does this invention relate to technology that is or will be covered by a SIG (special interest group)/standard/ or specification?

NO: X YES: \_\_\_\_\_ Name of SIG/Standard/Specification: \_\_\_\_\_

- (d) If the invention is embodied in a semiconductor device, actual or anticipated date of tapeout? \_\_\_\_\_

- (e) If the invention is software, actual or anticipated date of any beta tests outside Intel \_\_\_\_\_

7. Was the invention conceived or constructed in collaboration with anyone other than an Intel blue badge employee or in performance of a project involving entities other than Intel, e.g. government, other companies, universities or consortia? NO: X YES: \_\_\_\_\_ Name of individual or entity: \_\_\_\_\_

8. Is this invention related to any other invention disclosure that you have recently submitted? If so, please give the title and inventors: \_\_\_\_\_

**PLEASE READ AND FOLLOW THE DIRECTIONS ON  
HOW TO WRITE A DESCRIPTION OF YOUR INVENTION**

Please attach a description of the invention to this form and include the following information:

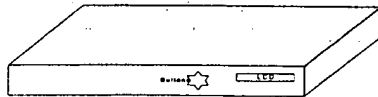
1. Describe in detail what the components of the invention are and how the invention works

A wireless interface that allows programming the Appliance Servers IP address, using a PDA, Internet Tablet, or future "Blue Tooth" device.

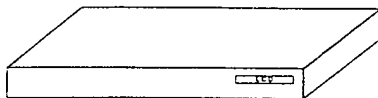
2. Describe advantage(s) of your invention over what is done now.

The advantage is providing a way of remotely programming the IP address, without physically touching the front panel buttons or having to read the LCD display.

3. **YOU MUST include at least one figure illustrating the invention.**  
If the invention relates to software, include a flowchart or pseudo-code representation of the algorithm.



Existing - Program IP address via LCD/Buttons



Proposed - Program IP address via wireless device  
a) 1U Rack - IMA retractable door/device  
b) 1U Rack/Modular - IMA switch/rack  
c) 1U Rack/Modular - Blue Tooth technology

4. Value of your invention to Intel (how will it be used?).

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The value to Intel is the market perception of being first to have a wireless solution in the rack mount space, as well as the convenience of not having to physically reach the top and bottom few rack locations.

5. **Explain how your invention is novel. If the technology itself is not new, explain what makes it different.**

Wireless has not been used in the data center market for programming IP addresses.

6. **Identify the closest or most pertinent prior art that you are aware of.**  
None.

7. **Who is likely to want to use this invention or infringe the patent if one is obtained and how would infringement be detected?**

Server Appliance vendors.

**HAVE YOUR SUPERVISOR READ, DATE AND SIGN COMPLETED FORM  
OR FORWARD IT ELECTRONICALLY VIA E-MAIL TO "INVENTION DISCLOSURE SUBMISSION"**

DATE: \_\_\_\_\_ SUPERVISOR: \_\_\_\_\_

BY THIS SIGNING, I (SUPERVISOR) ACKNOWLEDGE THAT I HAVE READ AND UNDERSTAND THIS  
DISCLOSURE, AND RECOMMEND THAT THE HONORARIUM BE PAID